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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: TOYOTARO TOKIMOTO ET AL. (PCT)
SERIAL NO.: 09/701,095 EXAMINER: J. BRIER
FILED: NOVEMBER 22, 2000 GROUP: 2672
TITLE: METHOD AND DEVICE FOR DISPLAYING BIT-MAP MULTI-COLORED IMAGE DATA ON DOT MATRIX TYPE DISPLAY SCREEN ON WHICH THREE-PRIMARY-COLOR LAMPS ARE DISPERSEDLY ARRAYED

REQUEST FOR CORRECTED FILING RECEIPT

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Dear Sir:

Attached is a copy of the official filing receipt received from the Patent and Trademark Office in the above-identified application.

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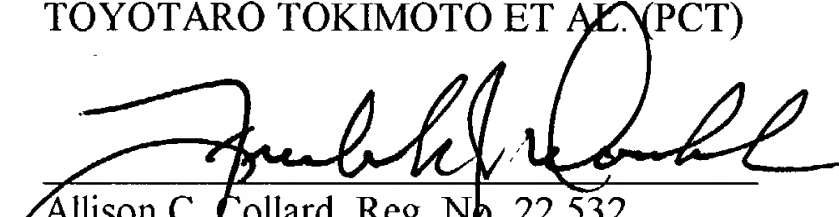
Collard & Roe, P.C. (Customer No. 25889)
1077 Northern Boulevard
Roslyn, New York 11576

Under the "Title", please change "METHOD AND DEVICE FOR DISPLAYING BIT-MAP MULTI-COLORED IMAGE DATA ON DOT MATRIX TYPE DISPLAY SCREEN ON WHICH THREE-PRIMARY-COLOR LAMPS ARE DISTRIBUTINGLY ARRAYED" to

--METHOD AND DEVICE FOR DISPLAYING BIT-MAP MULTI-COLORED IMAGE
DATA ON DOT MATRIX TYPE DISPLAY SCREEN ON WHICH THREE-PRIMARY-
COLOR LAMPS ARE **DISPERSEDLY** ARRAYED--

The correspondence address has been changed as evidenced by the attached copy of the Revocation and Appointment in Patent Application Power of Attorney filed on September 18, 2002. In addition, a word in the title needs to be corrected as evidenced by the first page of the specification attached hereto. The filing receipt should be corrected and issuance of a corrected filing receipt is respectfully requested. It is believed that no fee should be associated with this request. However, the Commissioner is authorized to charge any additional fees to Deposit Account No. 03-2468.

Respectfully submitted,
TOYOTARO TOKIMOTO ET AL. (PCT)



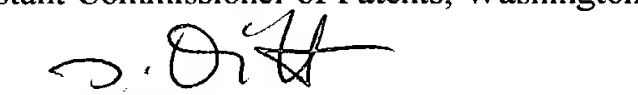
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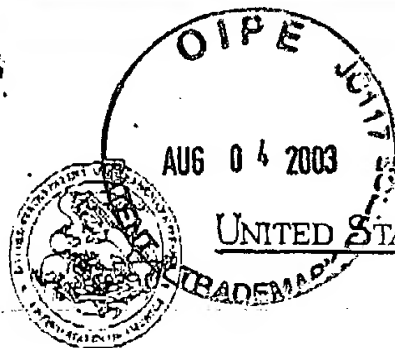
Enclosure:

1. Copy of Official Filing Receipt
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231, on August 1, 2003.



Ingrid Mittendorf



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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/701,095	11/22/2000	2672	430	TOKIMOTO ET AL PCT		9	1

Pennie & Edmonds
1155 Avenue of the Americas
New York, NY 10036-2711

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CONFIRMATION NO. 6201

REPLACEMENT FILING RECEIPT



OC000000008453367

Date Mailed: 07/15/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Toyotaro Tokimoto, Yokohama-shi, JAPAN;
Masatoshi Ohishi, Zushi-shi, JAPAN;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/JP00/01833 03/24/2000

Foreign Applications

JAPAN 11-79664 03/24/1999

If Required, Foreign Filing License Granted 12/14/2000

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Method and device for displaying bit-map multi-colored image data on dot matrix type display screen on which three-primary-color lamps are distributively arrayed

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Preliminary Class

345

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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DESCRIPTION

METHOD AND APPARATUS FOR DISPLAYING BITMAP MULTI-COLOR IMAGE DATA ON DOT MATRIX-TYPE DISPLAY SCREEN ON WHICH THREE PRIMARY COLOR LAMPS ARE DISPERSEDLY ARRAYED

<Field of the Invention>

This invention relates to a method and an apparatus for displaying bitmap multi-color image data on a dot matrix-type display screen on which three primary color lamps consisting of light emitting diodes (LED) or the like are dispersedly arrayed, and more particularly, to a technology for realizing a full color display of high fineness and high quality.

<Background Art>

As one of typical examples, description will be made for a dot matrix-type LED full color display apparatus of 480 vertical lines and 128 horizontal dots. Each of the pixel lamps which are in total 61,440 pieces is an LED multi-color gathered lamp in which LEDs of three primary colors of RGB (red, green and blue) are densely arranged. Pixel data for activating one pixel lamp consists of 8 bits for each RGB, that is, 24 bit data in total, and is capable of full color expression of 16,777,216 colors. The image data for one screen is data of $(61,440 \times 24)$ bits.

In the case of a small display screen, the LED multi-color lamp is used, where each LED chip in RGB is molded in one lens body, and each of the LED multi-color lamps is evenly arranged, as one pixel lamp, in a matrix state on a screen. In the case

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Bib Data Sheet

CONFIRMATION NO. 6201

SERIAL NUMBER 09/701,095	FILING OR 371(c) DATE 11/22/2000 RULE	CLASS 345	GROUP ART UNIT 2672	ATTORNEY DOCKET NO. TOKIMOTO ET AL PCT
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APPLICANTS

Toyotaro Tokimoto, Yokohama-shi, JAPAN;
 Masatoshi Ohishi, Zushi-shi, JAPAN;

**** CONTINUING DATA *******

This application is a 371 of PCT/JP00/01833 03/24/2000

**** FOREIGN APPLICATIONS *******

JAPAN 11-79664 03/24/1999

IF REQUIRED, FOREIGN FILING LICENSE GRANTED SMALL ENTITY ****

** 12/14/2000

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING	TOTAL CLAIMS 9	INDEPENDENT CLAIMS 1
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

ADDRESS

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TITLE

Method and device for displaying bit-map multi-colored image data on dot matrix type display screen on which three-primary-color lamps are dispersedly arrayed

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